



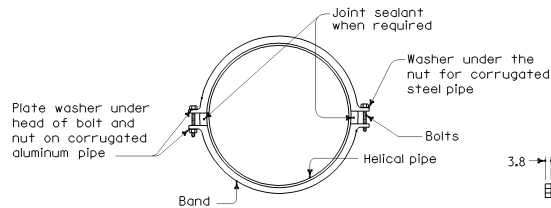
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Glenn DeCou
 REGISTERED CIVIL ENGINEER
 No. C34547
 EXPI. 9-30-05
 STATE OF CALIFORNIA

July 1, 2004
 PLANS APPROVAL DATE

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END VIEW

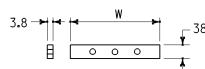
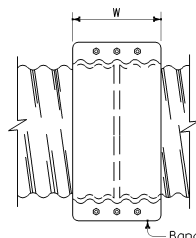
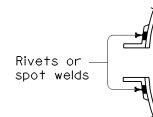


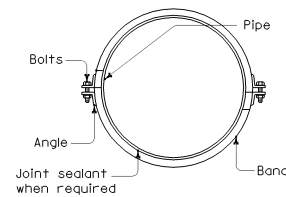
PLATE WASHER



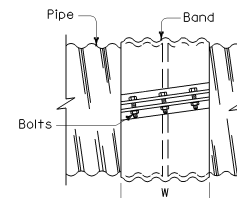
TOP VIEW



Rivets or spot welds



END VIEW

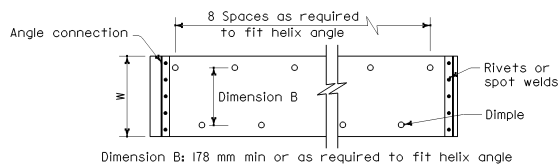


SIDE VIEW

TWO PIECE INTEGRAL FLANGE DIE FORMED BAND

HELICAL COUPLING BANDS

HELICAL BAND

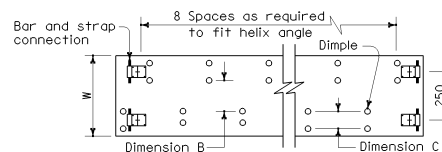


Dimension B: 178 mm min or as required to fit helix angle

PLAN

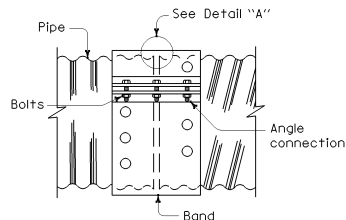


SECTION THRU DIMPLES

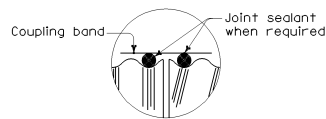


Dimension B: 178 mm min or as required to fit helix angle.
 Dimension C: 68 mm min or as required to fit helix angle.
 (Double dimple shown for use with 413 mm bands)

PLAN

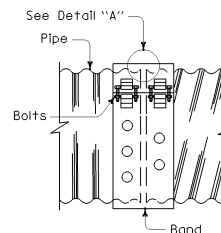


SIDE VIEW



DETAIL "A"

UNIVERSAL COUPLING BANDS



SIDE VIEW

NOTES

1. All ferrous metal coupling band connection hardware shall be galvanized or electroplated in accordance with the Standard specifications.
2. Dimensions and thicknesses shown are minimum.
3. Spot welds shall develop minimum required strength of strap.
4. Fillet welds of equivalent strength may be substituted for spot welds or rivets.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**CORRUGATED METAL PIPE
 COUPLING DETAILS No. 3
 HELICAL AND UNIVERSAL
 COUPLERS**

NO SCALE
 ALL DIMENSIONS ARE IN
 MILLIMETERS UNLESS OTHERWISE SHOWN

D97C